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(54) Title: SUBSTRATE AND METHOD FOR THE FORMATION OF CONTINUOUS MAGNESIUM DIBORIDE AND DOPED  
MAGNESIUM DIBORIDE WIRES

(57) Abstract: A chemically doped boron coating is applied by chemical vapor deposition to a silicon carbide fiber and the coated  
fiber then is exposed to magnesium vapor to convert the doped boron to doped magnesium diboride and a resultant superconductor.

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